

Luran® 338L

Styrene Acrylonitrile
Styrolution

Message:

Luran 338L is an easy-flow grade of SAN, suitable for moldings with very thin walls and / or adverse flow length to wall ratio. It features excellent transparency, a light intrinsic color and very good color consistency.

General Information			
Features	Good Flow		
	High Clarity		
	Pleasing Surface Appearance		
Uses	Cosmetic Packaging		
	Thin-walled Parts		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	40.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.30 to 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	67		
Ball Indentation Hardness	162	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	1.5	kJ/m ²	
23°C	1.7	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	15	kJ/m ²	
23°C	15	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-30°C	2.0	kJ/m ²	
23°C	2.0	kJ/m ²	

Unnotched Izod Impact Strength	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	98.0	°C	ISO 75-2/B
1.8 MPa, Annealed	86.0	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B50
CLTE - Flow	6.3E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	DIN 52612
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Dielectric Constant (100 Hz)	3.00		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	4.7E-3		
1 MHz	6.4E-3		
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.569		ISO 489
Transmittance (550 nm)	> 89.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	40.0 to 70.0	°C	

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